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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/698,200

10/30/2000

Tadashi Ohashi

1341.1066/JDH

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7590

05/24/2004

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EXAMINER

WON, MICHAEL YOUNG

ART UNIT

PAPER NUMBER

2155

6

DATE MAILED: 05/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/698,200

Applicant(s)

OHASHI, TADASHI

Examiner

Young N Won

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 March 2004.
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-8, 10-14, 16 and 17 is/are rejected.
7) ☒ Claim(s) 9 and 15 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-17 have been amended, re-examined, and are pending with this action.

Claim Rejections - 35 USC § 112

2. Rejection of claim 2 on the basis of 35 U.S.C. 112, has been rescinded.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-6, 10-12, 16, and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Meltzer et al. (US 6125391 A).

INDEPENDENT:

As per claims 1 and 10, Meltzer teaches of a document managing control system comprising: a document information storage server which stores a document information (see col.2, lines 38-42: "BIDs") with respect to a wholeness of a hardware and a firmware to compose a product (see col.2, line 64 – col.3, line 10; col.4, lines 58-64; and col.8, lines 16-24); a rule information storage server which stores a rule information on registering (see col.31, lines 15-21) and making reference to/receiving (see col.5, lines 22-25) said document information in or from said document information storage server (see col.3, lines 11-18 & 24-32; col.5, lines 20-30; and col.31, lines 26-48); and a registration or reference/receipt client (see Fig.1, #11-#14: "market participants"), which is connected to said document information storage server and said rule information storage server via a network (see Fig.1, #15 and #17: "market maker"), which registers and makes reference to/receiving said document information in or from said document information storage server on the basis of said rule information, which is derived from said rule information storage server (see above; Fig.15; and col.9, lines 35-44).

As per claims 16 and 17, Meltzer teaches of and a computer readable recording medium (see col.5, lines 31-40) for storing a document managing control program controlling a registration client or reference/receiving client, which is connected via a network to a document information storage server storing a document information (see col.2, lines 38-42: "BIDs") with respect to a wholeness of hardware and a firmware to compose a product (see col.2, line 64 – col.3, line 10; col.4, lines 58-64; and col.8, lines

16-24) and to a rule information storage server storing registration rules according to a process (see col.3, lines 11-18 & 24-32; col.,5, lines 20-30; and col.31, lines 26-48) comprising: registering (see col.31, lines 15-21) and managing referencing/receiving (see col.5, lines 22-25) of said document information in said document information storage server based upon the registration rules from said rule information storage server (see above; Fig.15; and col.9, lines 35-44).

DEPENDENT:

As per claim 2, Meltzer further teaches wherein said a plurality of document information storage servers are provided and plural and various document information are distributed and stored in the plurality of document information storage servers, respectively (see Fig.1, #15, #17, and #18: "market maker").

As per claim 3, Meltzer teaches of further comprising a meta information storage server, which is connected to said network, which stores a meta information having a layered construction of at least document information; wherein said registration client registers said meta information in said meta information storage server and identifies said document information according to the meta information to register the document information in said document information storage server based upon the rule information (see col.7, lines 55-61).

As per claim 4, Meltzer teach wherein said registration client registers said document information, which is described by an XML (see col.2, lines 64-67).

As per claims 5 and 11, Meltzer teaches of further comprising a rule verifier (see Fig.15, #1511: "service manager") verifying a deliberation result of a written rule, which

is a source of said rule information, and registering rule information in response to the verification result in said rule information storage server (see col.84, lines 54-63).

As per claims 6 and 12, Meltzer teaches of further comprising an agent deducing said rule information (see col.23, lines 54-63).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 7, 8, 13, and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Meltzer et al. (US 6125391 A) in view of Fields et al. (US 6128655 A). Meltzer does not further teach wherein said agent evaluates a deduction result of said rule information by a fuzzy detection from 0 to 1. Fields teaches of an agent means evaluating the deduction result of said rule information by a fuzzy detection (see col.12, lines 19-24) from 0 to 1 (subjective). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Fields within the system of Meltzer by implementing evaluating the deduction result of said rule information by a fuzzy detection within the component managing control system and program because Fields teaches that with documents that vary a great

deal, there needs some intelligence in the parsing or filtering mechanism such as by fuzzy logic or AI. It is evident by Meltzer that the documents do vary a great deal (see col.1, line 32: "diverse clients"); therefore, one of ordinary skill in the art would employ the teachings taught by Fields.

Allowable Subject Matter

5. Claims 9 and 15 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Prior art of record, Meltzer et al. (US 6125391 A) and Fields et al. (US 6128655 A), do not disclose, teach, or suggest the claim limitation of further comprising a replacer repeatedly replacing a document type definition (DTD) information of said document information, which is described by an XML, by using a predetermined method so that the evaluation value in said agent becomes maximum or minimum, when the evaluation value does not satisfy a target value, as claimed in claims 9 and 15.

Response to Arguments

6. Applicant's arguments with respect to previous office action references have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

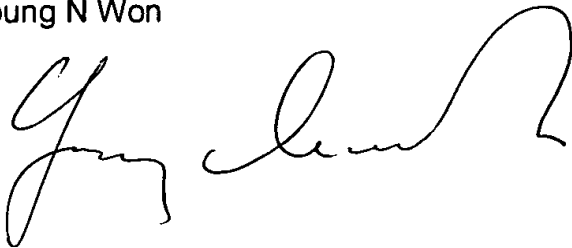
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Young N Won whose telephone number is 703-605-4241. The examiner can normally be reached on M-Th: 6AM-3PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T Alam can be reached on 703-308-6662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Young N Won



May 20, 2004



HOSAIN ALAM
SUPERVISORY PATENT EXAMINER